CLAIMS

The invention claimed is:

- 5 1. Eyeglasses for audio communication with a remote electronic device, comprising:
 - a) an eyeglasses frame;
 - b) a microphone coupled to the frame;
 - c) a transmitter coupled to the frame, in communication with the microphone, and adapted to send wireless signals to the remote electronic device;
 - d) at least one speaker coupled to the frame; and
 - e) a receiver coupled to the frame, in communication with the speaker, and adapted to receive wireless signals from the remote electronic device.
 - 2. The eyeglasses of claim 1, wherein the eyeglasses frame comprises a lens holder and two support arms, with the microphone coupled to the lens holder or one of the support arms and each speaker coupled to one of the support arms.
 - 3. The eyeglasses of claim 1, wherein the microphone is directional and oriented toward a user's mouth when wearing the eyeglasses, and the speaker is disposed adjacent to and oriented toward a user's ear when wearing the eyeglasses.

25

- 4. The eyeglasses of claim 1, further comprising a first extension arm coupled to the eyeglasses frame, wherein the microphone is coupled to the extension arm.
- 5. The eyeglasses of claim 4, wherein the first extension arm is pivotal or telescopic.
 - 6. The eyeglasses of claim 1, further comprising a second extension arm coupled to the eyeglasses frame, wherein the speaker is coupled to the extension arm.
 - 7. The eyeglasses of claim 6, wherein the second extension arm is pivotal.

20

- 8. Eyeglasses for audio communication with a remote electronic device, comprising:
 - a) an eyeglasses frame having a lens holder and two support arms;
 - b) a directional microphone coupled to the lens holder or one of the support arms and oriented toward a user's mouth when wearing the eyeglasses;
 - a transmitter coupled to the frame, in communication with the microphone, and adapted to send radio signals to the remote electronic device;
 - d) at least one speaker coupled to one of the support arms and disposed adjacent to and oriented toward the user's ear when wearing the eyeglasses;
 - e) a receiver coupled to the frame, in communication with the speaker, and adapted to receive radio signals from the remote electronic device; and
 - f) a power source electrically connected to the transmitter and to the receiver.
- 9. The eyeglasses of claim 8, further comprising a first extension arm coupled to the eyeglasses frame, wherein the microphone is coupled to the extension arm.
- 10. The eyeglasses of claim 9, wherein the first extension arm is pivotal or telescopic.

- 11. The eyeglasses of claim 8, further comprising a second extension arm coupled to the eyeglasses frame, wherein the speaker is coupled to the extension arm.
- 5 12. The eyeglasses of claim 11, wherein the second extension arm is pivotal.
 - 13. The eyeglasses of claim 8, wherein the power source comprises at least one screw-in battery.
 - 14. The eyeglasses of claim 8, wherein the speaker is a bone-type speaker.
 - 15. A wearable device for use with an eyeglasses frame and for audio communication with a remote electronic device, the wearable device comprising:
 - a member having at least one connector adapted to removably mount the member onto the eyeglasses frame;
 - b) a microphone coupled to the member;
 - a transmitter coupled to the member, in communication with the microphone, and adapted to send wireless signals to the remote electronic device;
 - d) at least one speaker coupled to the member; and
 - a receiver coupled to the member, in communication with the speaker,
 and adapted to receive wireless signals from the remote electronic device.

- 16. The wearable device of claim 15, wherein the member comprises a lens holder and the connector comprises a clip adapted to removably mount the clip-on lens holder onto a lens holder of the eyeglasses frame.
- The wearable device of claim 15, wherein the member comprises a frame or sheet and the connector is formed by a bent section thereof and adapted to removably mount the frame or sheet onto a support arm of the eyeglasses frame.
 - 18. The wearable device of claim 15, wherein the microphone is directional and oriented toward a user's mouth when wearing the eyeglasses, and the speaker is directional and oriented toward the user's ear when wearing the eyeglasses.
 - 19. The wearable device of claim 15, further comprising a first extension arm coupled to the member, wherein the microphone is coupled to the extension arm.
 - 20. The wearable device of claim 19, wherein the first extension arm is pivotal or telescopic.
- 21. The wearable device of claim 15, further comprising a second extension arm coupled to the member, wherein the speaker is coupled to the extension arm.
 - 22. The wearable device of claim 21, wherein the second extension arm is pivotal.

20

- 23. A device that is wearable on a user's head for audio communication with a remote electronic device, comprising:
 - a) a wearable article forming a frame;
 - b) a microphone coupled to the frame;
 - a transmitter coupled to the frame, in communication with the microphone, and adapted to send wireless signals to the remote electronic device;
 - d) at least one speaker coupled to the frame; and
 - a receiver coupled to the frame, in communication with the speaker, and adapted to receive wireless signals from the remote electronic device.
- 24. The wearable device of claim 23, wherein the frame is selected from the group consisting of hats, headbands, and eyeglasses.
- 25. The wearable device of claim 23, wherein the microphone is directional and oriented toward a user's mouth when wearing the wearable device, and the speaker is disposed adjacent to and oriented toward a user's ear when wearing the eyeglasses.
- 26. The wearable device of claim 23, further comprising a first extension arm coupled to the frame, wherein the microphone is coupled to the extension arm.
- 27. The wearable device of claim 23, further comprising a second extension arm coupled to the frame, wherein the speaker is coupled to the extension arm.